Appln. No.: 10/018,607

Amendment Dated July 6, 2007

Reply to Office Action of April 19, 2007

<u>Amendments to the Claims:</u> This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. - 52. (Canceled)

- 53. (Currently Amended) A gas diffusion electrode comprising:
 - (i) an electrically conducting porous structure;
 - (ii) a first catalytic component, said first catalytic component being embedded-with within the porous structure and being a gas-phase catalyst designed to remove contaminant gases, wherein said first catalytic component comprises a first catalyst which is one or more noble metals or non-noble metals-of or a combination thereof, and wherein said first catalyst is directly supported on an electrically non-conducting support; and
 - (iii) a second catalytic component, said second catalytic component being applied to the porous structure as a surface layer and being an electrocatalyst adapted to facilitate an electrochemical reaction, wherein said second catalytic component comprises a second catalyst which is a precious metal or a transition metal as—the a_metal or a_metal oxide, either unsupported or supported in a dispersed form on a carbon support; a carbon or an organic complex, in the form of a high surface area finely divided powder or fibre; or a combination thereof.
- 54. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the first catalyst is selected from the group consisting of platinum, palladium, ruthenium, rhodium, gold, chromium, molybdenum, nickel and manganese or a combination thereof.
- 55. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the electrically non-conducting support is an oxidic support.
- 56. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the electrically non-conducting support is selected from the group consisting of alumina, silica, ceria, zirconia, an oxide of iron, a manganese oxide and titania.

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57. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the second catalytic component is a platinum/ruthenium alloy supported on carbon black or platinum supported on carbon black.

- 58. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the porous structure is a woven or non-woven fibrous material.
- 59. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the porous structure is a woven or non-woven fibrous material and further comprises a filler material.
- 60. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the porous structure is formed from a polymer.
- 61. (Previously Presented) A gas diffusion electrode according to claim 53, wherein the porous structure is a metal mesh.
- 62. (Previously Presented) A membrane electrode assembly comprising a gas diffusion electrode as claimed in claim 53, a second gas diffusion electrode, and a solid polymer membrane.
- 63. (Previously Presented) A membrane electrode assembly comprising a gas diffusion electrode as claimed in claim 53, a gas diffusion substrate and a solid polymer membrane, wherein an electrocatalyst layer is applied to the side of the membrane facing the gas diffusion substrate.
- 64. (Currently Amended) A fuel cell comprising a gas diffusion electrode as claimed in claim ± 53.
- 65. (Previously Presented) A fuel cell comprising a membrane electrode assembly as claimed in claim 62.
- 66. (Previously Presented) A fuel cell comprising a membrane electrode assembly as claimed in claim 63.
- 67. 80. (Canceled)